

## OVERLAY PROCESSING DEVICE AND METHOD

### ABSTRACT OF THE DISCLOSURE

An overlay frame processing method and device are used for showing a display frame and an overlay frame outputted by a digital image processing device on a display. The display frame and the overlay frame respectively consist of display frame pixel data and overlay frame pixel data at corresponding positions. A display controller and an overlay engine read and transmit the display frame pixel data and the overlay frame pixel data out, respectively. An alpha-blending engine receives and performs an alpha-blending operation on the display frame pixel data and the overlay frame pixel data to obtain an alpha-blended pixel data. A digital-to-analog converter converts the alpha-blended pixel data into an analog signal and transmits the analog signal to the display to be displayed.